

Title (en)

Process for preparing (1'R,3S)-3-(1'-hydroxy-ethyl)-azetidin-2-one and derivatives thereof.

Title (de)

Verfahren zur Herstellung von (1'R,3S)-3-(1'-hydroxy-ethyl)-Azetidin-2-on und deren Derivaten.

Title (fr)

Procédé de préparation de (1'R,3S)-3-(1'-hydroxy-éthyl)-azétidin-2-one et de ses dérivés.

Publication

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Application

EP 91310321 A 19911107

Priority

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Abstract (en)

A (1 min R,3S)-3-(1 min -hydroxyethyl)-azetidin-2-one (I): <CHEM> wherein R<1> represents H or a hydroxyl-protective group is prepared by reacting a (2S,3R)-2-aminomethyl-3-hydroxybutyric acid (II): <CHEM> with a sulfenamide (III): <CHEM> wherein R<2> represents <CHEM> or <CHEM> and R<3> and R<4> each represent hydrogen (but not simultaneously) or a hydrocarbon group, or R<3> and R<4>, together with the N atom form a heterocyclic group, and triphenylphosphine. The reaction yield is high, and the sulfenamide (III) is cheap and recoverable.

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